(No Model.)

W. FLINT.

CABINET FOR SANITARY TOILET PAPER.

No. 363,379. Patented May 24, 1887.

FIG. 4

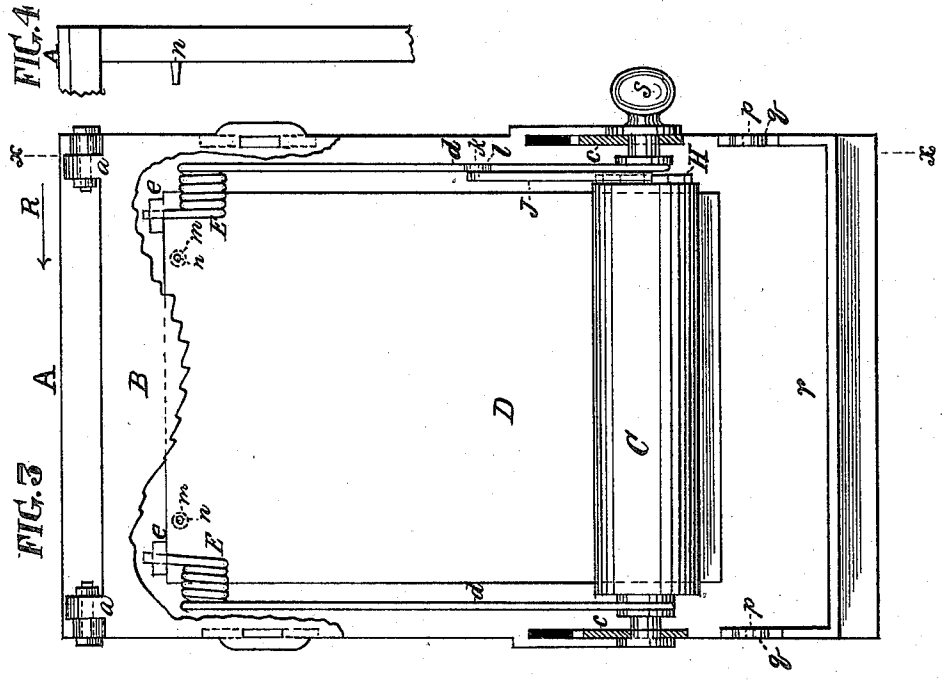


FIG. 3

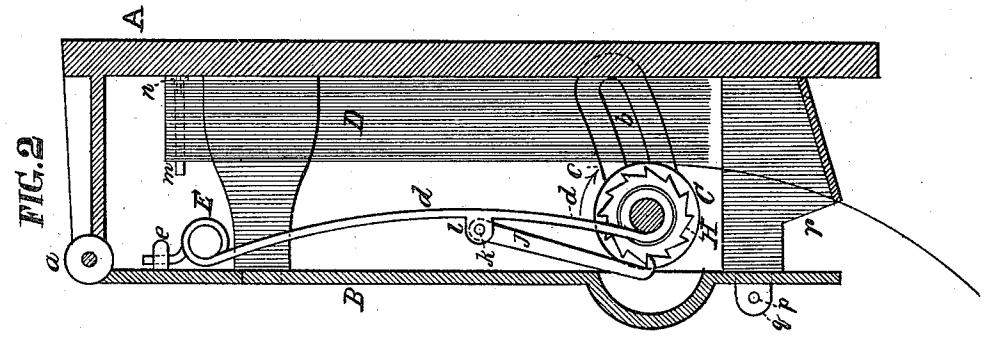


FIG. 2

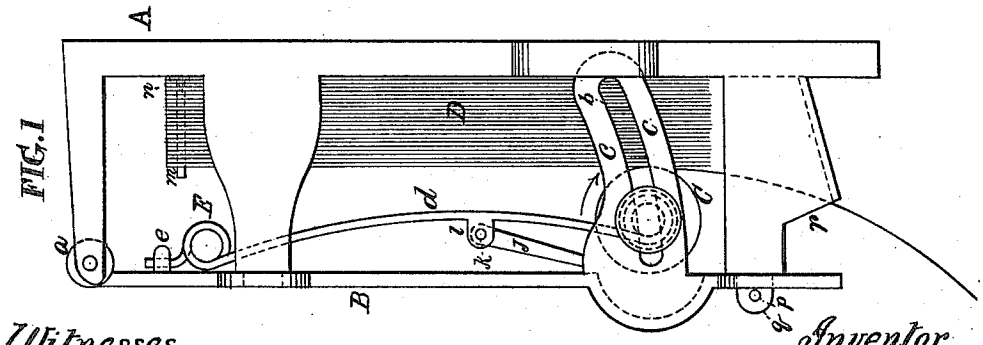


FIG. 1

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UNITED STATES PATENT OFFICE.

WILLIAM FLINT, OF PHILADELPHIA, PENNSYLVANIA.

CABINET FOR SANITARY TOILET-PAPER.

SPECIFICATION forming part of Letters Patent No. 363,379, dated May 24, 1887.

Application filed June 7, 1886. Serial No. 204,404. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FLINT, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Cabinets for Sanitary Toilet-Paper, of which the following is a specification.

Cabinets for containing packages of amassed sheets of paper have been constructed with mechanism whereby pressure is exerted to maintain the same continuously bearing against the periphery of a journaled roller during rotation for the expulsion of sheets.

My invention relates to a cabinet for containing sanitary toilet-paper; and it consists of a metallic case or box of rectangular form to be suspended or hung upon the wall of a closet, and provided with a hinged front plate, to the inner face of which is connected a roller, the periphery of which throughout its length is roughened by means of a coating of emery, smaltz, or equivalent substance; or it may be corrugated or fluted, and having journals upon its ends that have their bearing in curvilinear segmental slots of plates extended back at right angles to said front plate, the periphery of the roller being caused to bear upon the surface of an amassed package of sheets of paper suspended at their upper ends upon holders projected from the inner face of the back plate of the cabinet by means of the resilient pressure of elongated ends or legs of a pair of helical springs, the extremities of which surround circular grooves of said roller at opposite sides of the case, the other ends of the springs being confined within orifices of studs cast upon the inner surface of the front plate. The amassed package of sheets is suspended upon holders, that are in turn hung upon pins extending at right angles to the rear plate of the cabinet in such position that, as the friction-roller bears upon the surface of the package of sheets and is rotated upon its axis by power imparted to a knob or hand-wheel upon one end said sheets are successively detached from their connecting-hooks and expelled or deliverd through and out of a throat in the lower end of said cabinet, the resiliency contained within the elongations of the springs maintaining a continuous pressure of the roller upon the surface of the sheets through the slotted bearings until the last of the package is expelled.

In the accompanying drawings, which make a part of this specification, Figure 1 is a side or edge elevation of my improved cabinet. Fig. 2 is a like view taken through the broken line *x x* of Fig. 3 in the direction of the arrow R. Fig. 3 is a face view with a portion of the front plate, B, broken away to expose to view the interior mechanism. Fig. 4 is an edge view of a portion of the rear plate of the cabinet, showing one of the pins *n*.

Like letters of reference in all the figures indicate the same parts.

A is the metallic case or cabinet provided with the front plate, B, connected thereto upon its upper end by the hinges *a a*.

C is a roller, which may have either a roughened, corrugated, or fluted periphery throughout its length, and provided with a bearing upon each end, which has a free rotating and curvilinear movement in the segmental slots *b* of the extension-plates *c*, connected at right angles to the front plate. Pressure is exerted upon this roller to maintain its periphery constantly bearing upon the surface of the amassed package of sheets of paper D, hung by means of the holders *m* upon the pins *n* on the inner face of the rear or back plate of the cabinet by means of the resiliency contained within the elongated ends *d* of the coiled springs E, the extremities of said ends passing around grooves in the journals of said roller, while the opposite ends are rigidly secured within orifices of the lugs *e* upon the inner surface of said front plate.

H is a ratchet-wheel upon one end of the roller C, and J a pawl or detent having its fulcrum on the pin K in the lug *l* of one of the elongated ends *d*, to prevent a reverse movement of the roller.

The operation is as follows: The amassed package of sheets of paper, being connected together upon the holder *m*, is hung upon the pins or hooks *n* on the inner face of the rear plate of the cabinet, the front plate and its connected roller being thrown up out of the way. Then said front plate is brought down and secured to the cabinet by means of keys or the shackles of locks passing through orifices *p* in the lugs *q*, which brings the periphery of the

roller throughout its length bearing upon the surface of the package of sheets. Then by rotating the roller C by means of the knob *s* (which may be placed or fixed upon either end) in the direction of the arrow, its roughened or corrugated surface, by reason of the pressure exerted, detaches and carries downward a sheet of paper from the package out through the throat *r*. (See Figs. 1 and 2.)

The pressure of the springs E upon the roller in the curvilinear slots *b* always maintains its periphery bearing upon the surface of the sheets of paper for the successive operation to expel the same as desired.

The ratchet-wheel and pawl may be located at or upon any convenient point of the cabinet to operate upon the roller and prevent a reverse movement and consequent disarrangement of the sheets.

I claim as my invention and desire to secure by Letters Patent—

1. The cabinet A, constructed with a hinged front, B, having extension side plates, *c*, provided with segmental slotted bearings *b*, in combination with the roller C and springs E, substantially in the manner herein shown and described.

2. The cabinet A, in combination with the roller C, journaled in bearings upon the front plate, B, and springs E, for actuating and maintaining the pressure of the roller upon the package of paper, substantially in the manner herein shown and described.

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